

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) An electrical compression connector comprising:

a first section having a first conductor receiving channel extending into a top side of the connector; and

a second section integrally formed with the first section, the second section having a second and a third conductor receiving channel extending into opposite respective first and second lateral sides of the connector,

wherein the second conductor receiving channel comprises opposing concave surfaces having different shapes, wherein a first one of the concave surfaces has a first radius of curvature and a second one of the concave surfaces has a second different radius of curvature, and wherein the second radius of curvature is at least about 25% smaller than the first radius of curvature.

2. (Original) An electrical compression connector as in claim 1 wherein the first section comprises a general U-shape.

3. (Original) An electrical compression connector as in claim 1 wherein the first and second sections are integrally formed as an extruded member.

4. (Original) An electrical compression connector as in claim 1 wherein the first, second and third conductor receiving channels extend generally parallel to each other.

5. (Cancelled)

6. (Cancelled)

7. (Original) An electrical compression connector as in claim 1 wherein the second section comprises a curved cantilevered leg with a top surface forming a second one of the concave surfaces.

8. (Previously presented) An electrical compression connector as in claim 7 wherein an aperture is provided between a tip of the cantilevered leg and an opposing surface at the first lateral side, and wherein an aperture is provided through the second lateral side into the third conductor receiving channel.

9. (Previously presented) An electrical compression connector as in claim 1 wherein the second section further comprises a fourth conductor receiving channel extending into the second lateral side of the connector.

10. (Original) An electrical compression connector as in claim 9 wherein the second section comprises a curved cantilevered leg having a top surface which forms a portion of the fourth conductor receiving channel.

11. (Original) An electrical compression connector as in claim 1 wherein the third conductor receiving channel comprises opposing concave surfaces having a same shape.

12. (Original) An electrical compression connector as in claim 1 wherein the second conductor receiving channel comprises a side surface between the opposing concave surfaces having a substantially flat shape.

13. (Currently amended) An electrical compression connector comprising:

a first section having a first conductor receiving channel extending into a top side of the connector; and

a second section integrally formed with the first section, the second section having a second and a third conductor receiving channel extending into opposite respective first and second lateral sides of the connector,

wherein the second conductor receiving channel comprises opposing concave surfaces having different shapes, wherein a first one of the concave surfaces is located closer to the first conductor receiving channel than a second one of the concave surfaces, wherein the first concave surface has a larger radius of curvature than a radius of curvature of the second concave surface, and wherein the third conductor receiving channel comprises opposing concave surfaces and a side surface between the opposing concave surfaces having a substantially flat shape.

14. (Previously presented) An electrical compression connector as in claim 13 wherein the second section further comprises a fourth conductor receiving channel extending into the second

lateral side of the connector, wherein the fourth conductor receiving channel is located below the third conductor receiving channel, and wherein the fourth conductor receiving channel comprises curved top, bottom and side surfaces having a same radius of curvature.

15. (Previously presented) An electrical compression connector and electrical conductor assembly comprising:

an extruded electrical compression connector comprising a first generally U-shaped section forming a first conductor receiving channel, and a second section integrally formed with the first section, the second section comprising a second conductor receiving channel with opposing first and second curved conductor contact surfaces each having a different radius of curvature, the second section having a bottom cantilevered curved leg forming the second contact surface; and

a class K electrical conductor located in the second conductor receiving channel,

wherein, when the connector is compressed onto the conductor, the leg is deformed towards the first contact surface, and wherein a second one of the radii of curvature is at least about 25% smaller than a first one of the radii of curvature.

16. (Original) An electrical compression connector as in claim 15 wherein the second section comprises a third conductor receiving channel on an opposite side of the second conductor receiving channel, the third conductor receiving channel

having a smaller size than the second conductor receiving channel.

17. (Original) An electrical compression connector as in claim 16 wherein the second section comprises a fourth conductor receiving channel on the opposite side of the second conductor receiving channel and located below the third conductor receiving channel, the fourth conductor receiving channel having a smaller size than the third conductor receiving channel.

18. (Cancelled)

19. (Previously presented) An electrical compression connector as in claim 15 wherein the second section comprises a curved cantilevered leg with a top surface forming a second one of the contact surfaces having the second radii of curvature.

20. (Cancelled)

21. (Currently amended) An electrical compression connector and electrical conductor assembly comprising:

an extruded electrical compression connector comprising a first generally U-shaped section forming a first conductor receiving channel, and a second section integrally formed with the first section, the second section comprising a second conductor receiving channel with opposing first and second curved conductor contact surfaces each having a different radius of curvature, the second section having a bottom cantilevered curved leg forming the second contact surface, wherein the radius of curvature of the second curved conductor contact surface

is smaller than the radius of curvature of the first curved conductor contact surface; and

a class K electrical conductor located in the second conductor receiving channel,

wherein, when the connector is compressed onto the conductor, the leg is deformed towards the first contact surface,

wherein the second conductor receiving channel comprises a side surface between the opposing conductor contact surfaces having a substantially flat shape, and wherein the second section further comprises a third conductor receiving channel having opposing concave surfaces and a side surface between the opposing concave surfaces with a substantially flat shape.

22. (Cancelled)

23. (Cancelled)

24. (Currently amended) An electrical compression connector comprising:

a first section having a first conductor receiving channel extending into a top side of the connector; and

a second section integrally formed with the first section, the second section having a second and a third conductor receiving channel extending into opposite respective first and second lateral sides of the connector,

wherein the second conductor receiving channel comprises opposing concave surfaces having different shapes, wherein a radius of curvature of second one of the concave surfaces located at a bottom of the second conductor receiving channel is smaller than a radius of curvature of a first one of the concave surfaces, and a side surface between the opposing concave surfaces having comprises a substantially flat shape, ~~and wherein the third conductor receiving channel comprises opposing concave surfaces and a side surface between the opposing concave surfaces having a substantially flat shape.~~

25. (Cancelled)

26. (Previously presented) An electrical compression connector as in claim 24 wherein a first one of the concave surfaces has a first radius of curvature and a second one of the concave surfaces has a second different radius of curvature, and wherein the second radius of curvature is at least about 25% smaller than the first radius of curvature.

27. (Previously presented) An electrical compression connector as in claim 24 wherein the second section comprises a width which is larger than a width of the first section.

28. (Previously presented) An electrical compression connector as in claim 24 wherein the opposing concave surfaces have about a same width.

29. (Previously presented) An electrical compression connector as in claim 24 wherein a top one of the opposing surfaces comprises an outer downward extending projection and a bottom

one of the opposing surfaces comprises an outer upward extending tip, and wherein the projection and tip are located opposite each other.

30. (Previously presented) An electrical compression connector as in claim 24 wherein the flat side surface extends more than a third of a total height of the second conductor receiving channel.

31. (New) An electrical compression connector as in claim 13 wherein the second conductor receiving channel comprises a substantially flat side between the first and second concave surfaces.

32. (New) An electrical compression connector as in claim 13 wherein the flat side surface of the second conductor receiving channel extends more than a third of a total height of the second conductor receiving channel.

33. (New) An electrical compression connector as in claim 24 wherein the third conductor receiving channel comprises opposing concave surfaces and a side surface between the opposing concave surfaces having a substantially flat shape.